

The background is a light blue gradient with several realistic water droplets of various sizes scattered across the surface. The droplets have highlights and shadows, giving them a three-dimensional appearance.

DNRC 310 PERMIT DATABASE

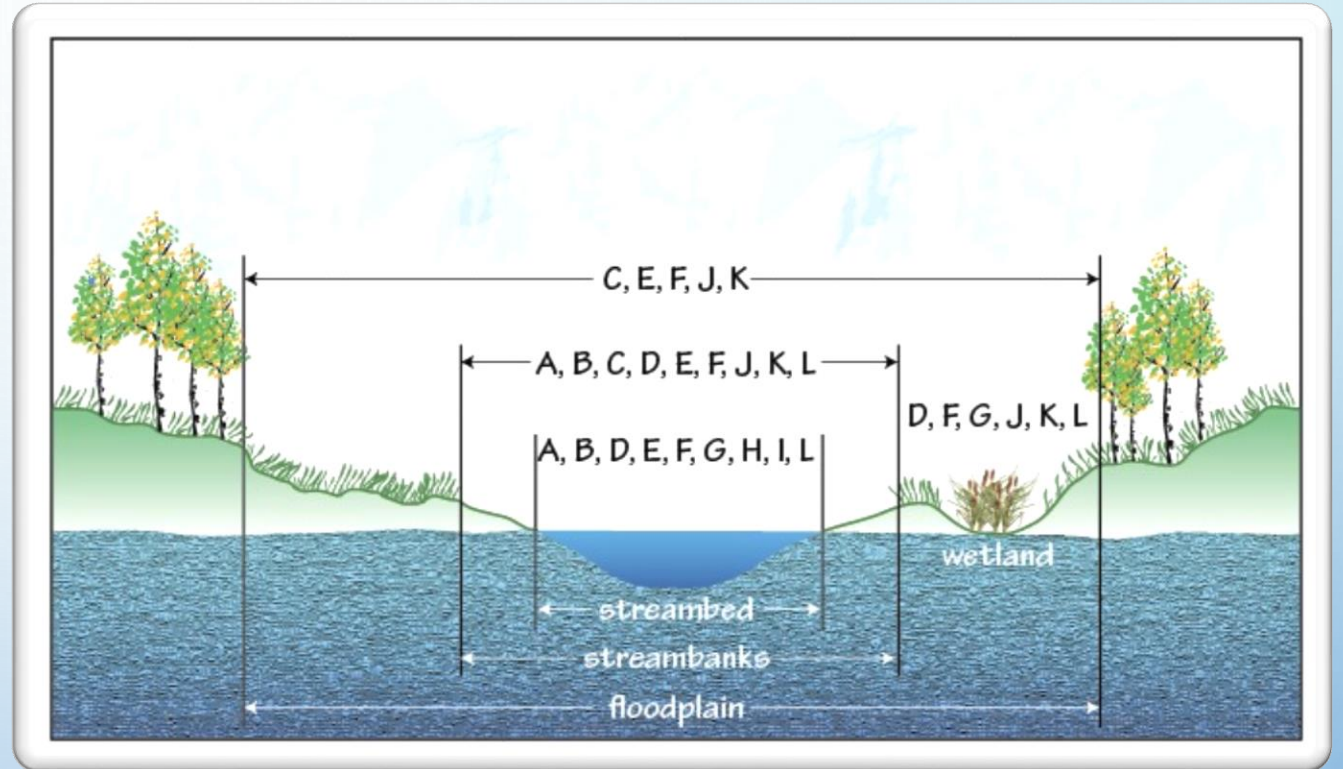
BOB FLESHER - STREAM PERMITTING COORDINATOR

BRET LIAN – GIS ANALYST/DEVELOPER

310 PERMITTING IN MONTANA

WHERE DID THE 310 LAW COME FROM AND WHO ADMINISTERS IT?

- THE 310 PERMITTING PROGRAM IS THE RESULT OF HB 310. THE NATURAL STREAMBED AND LAND PRESERVATION ACT OF 1975 (310 LAW).
- THE TASK OF ADMINISTERING THIS PROGRAM WAS GIVEN TO MONTANA'S 58 CONSERVATION DISTRICTS. AN APPLICANT IS REQUIRED TO TURN IN A JOINT APPLICATION TO THE DISTRICT FOR APPROVAL.



Cross Section from "A Guide to Stream Permitting in Montana".
Aka: Flip book. The 310 Law covers area "A".

310 PERMITTING IN MONTANA

WHO DOES THE LAW APPLY TO?

- ANY PRIVATE, NONGOVERNMENTAL INDIVIDUAL OR ENTITY THAT PROPOSES TO WORK (DO A PROJECT) IN OR NEAR A PERENNIAL FLOWING STREAM ON PUBLIC OR PRIVATE LAND. IN THE BED OR ON THE BANKS OR COULD POTENTIALLY HAVE ADVERSE AFFECTS ON AN ADJACENT PERENNIAL STREAM.

- 124 PERMITS ARE ISSUED BY MTFWP WHEN PROJECTS ARE UNDERTAKEN BY GOVERNMENT AGENCIES OR DIVISIONS OF GOVERNMENT ON ALL STREAM TYPES/



310 PERMITTING IN MONTANA

WHAT TYPES OF PROJECTS REQUIRE A 310 PERMIT?

- BANK STABILIZATION
- STREAM RESTORATION
- FLOOD PROTECTION
- BRIDGES/CULVERTS
- FORDS
- UTILITIES
- DOCKS
- BOAT RAMPS
- IRRIGATION DIVERSIONS



BEFORE

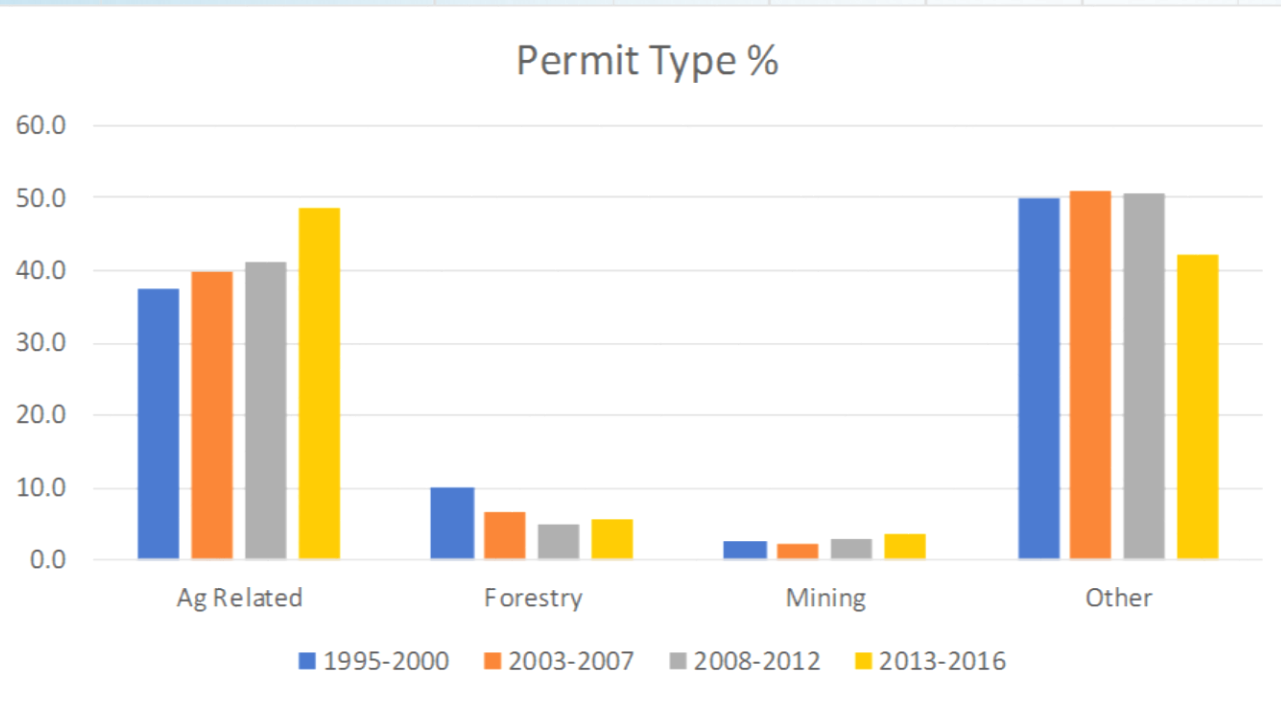


AFTER



310 STATISTICS

	1995-2000	2003-2007	2008-2012	2013-2016
<u>Ag Related</u>	37.5	39.9	41.3	48.6
<u>Forestry</u>	9.8	6.8	4.8	5.6
<u>Mining</u>	2.7	2.2	3.1	3.7
<u>Other</u>	49.9	51.2	50.8	42.1



- STATISTICAL RECORDS FOR 310 PERMITS HAVE BEEN KEPT TO ONE DEGREE OR ANOTHER SINCE THE INCEPTION OF THE 310 LAW.
- ANNUAL SURVEYS ARE SENT TO EACH CONSERVATION DISTRICT TO TRACK THE TYPE OF PERMIT AND THE RESULTS OF THE APPLICATION.

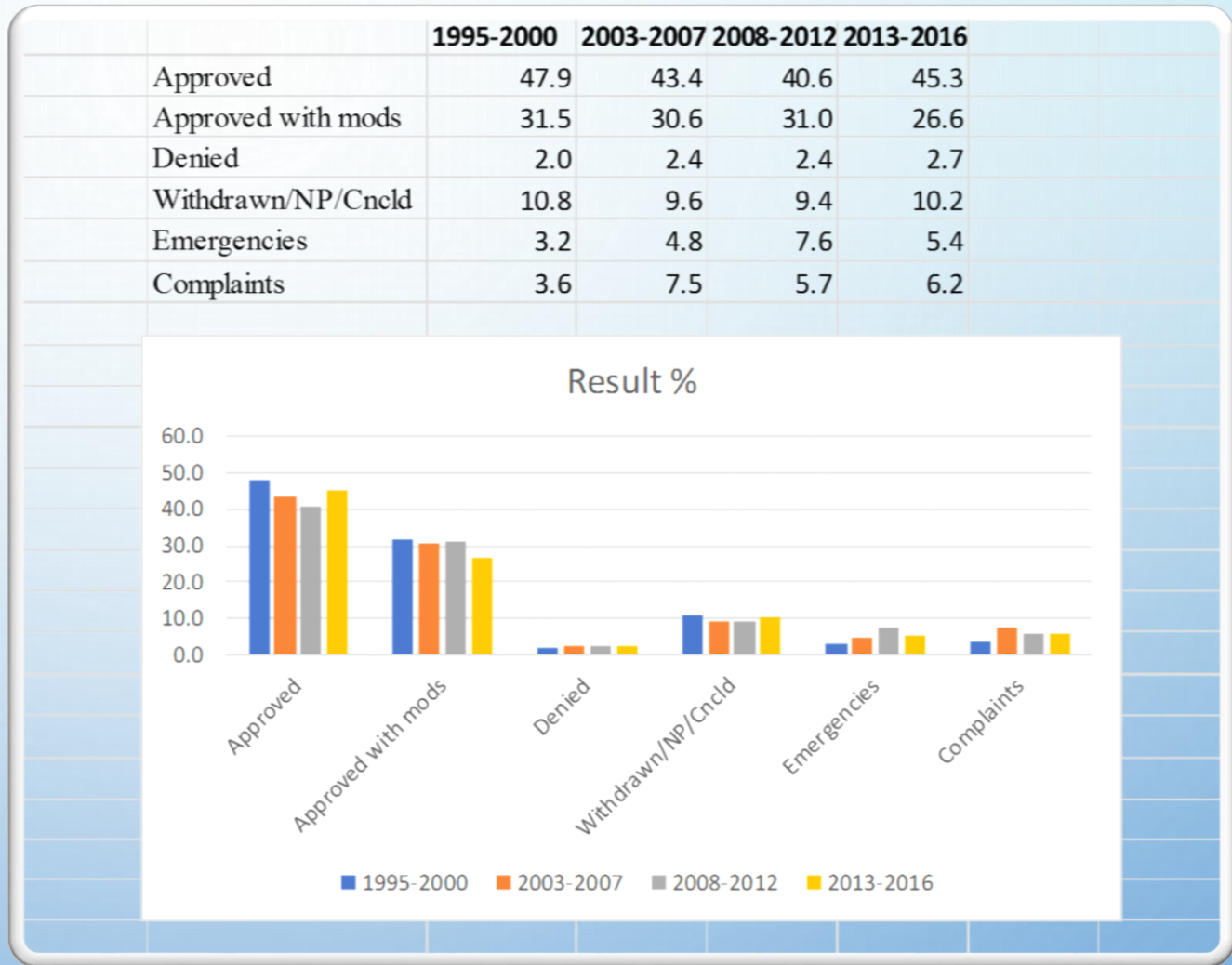
THESE ARE BROKEN DOWN BY THE PROJECTS' PRIMARY PURPOSE:

- AGRICULTURE
- FORESTRY
- MINING
- OTHER (BRIDGES, CULVERTS, UTILITIES, ETC.)

310 STATISTICS

THEY ARE ALSO CATEGORIZED BY:

- APPROVED
- APPROVED WITH MODIFICATIONS
- DENIED
- WITHDRAWN/NOT A PROJECT/CANCELLED
- EMERGENCIES
- COMPLAINTS
- ARBITRATIONS – NOT INCLUDED IN STATISTICS AS THEY ARE QUITE RARE

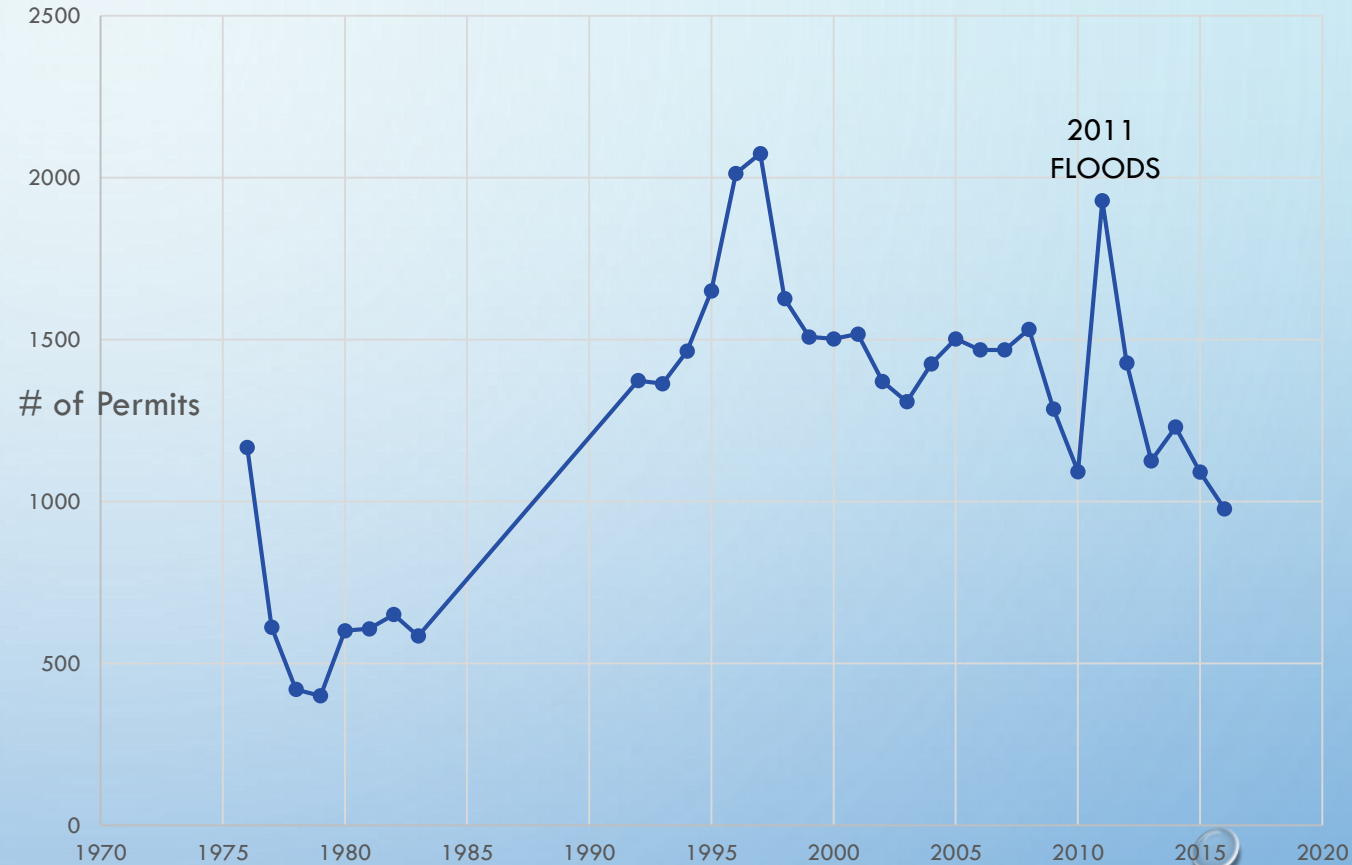


Total number of permits in Montana by year:

The total number of permits per year is shown for all years we have data for. It has ranged from a low of 400 in 1979 to a high of 2074 in 1997. For the years presented, the average is 1253.5 permits per year. There appears to be a general decline in number of Permit applications received over the last 10 years other than 2011 which can likely be attributed to the flooding which occurred that year.

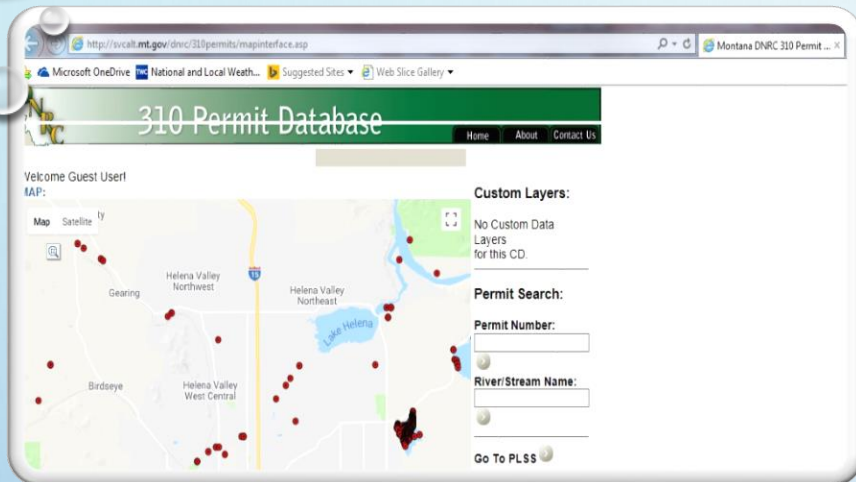
Year	# of Permits
1976	1167
1977	612
1978	420
1979	400
1980	601
1981	607
1982	651
1983	585
1992	1373
1993	1364
1994	1464
1995	1650
1996	2013
1997	2074
1998	1626
1999	1508
2000	1502
2001	1517
2002	1371
2003	1308
2004	1425
2005	1502
2006	1468
2007	1468
2008	1532
2009	1286
2010	1092
2011	1929
2012	1428
2013	1126
2014	1230
2015	1091
2016	977

310 STATISTICS



HISTORY OF THE 310 DATABASE

- THE 310 DATABASE WAS ORIGINALLY DEVELOPED BY THE YELLOWSTONE RIVER CONSERVATION DISTRICT COUNCIL.
- THIS DATABASE WAS USED TO KEEP TRACK OF 310 PROJECTS ALONG THE YELLOWSTONE RIVER CORRIDOR.
- IT WAS THEN TURNED OVER TO THE DNRC AND HAS BEEN USED BY CONSERVATION DISTRICTS TO ENTER PERMIT DATA.
- ABILITY FOR PUBLIC TO REVIEW SITE INFORMATION
- EACH CD HAS PASSWORD TO EDIT OR ADD DATA



Permit ID	Applicant	Waterbody	Structure Type	Date
Select EME-01-08	NA	Little Prickly Pear Creek	Pipeline Crossing	4/1/2008
Select LC-36-2009	NA	Little Prickly Pear Creek	Bank Stabilization - Concrete Rip-Rap	11/12/2009
Select LC-09/07	NA	Little Prickly Pear Creek	Other	4/12/2007
Select LC-04-07	NA	Little Prickly Pear Creek	Pipeline Crossing	3/8/2007
Select LC-18-05	NA	Little Prickly Pear Creek	Bridge	4/14/2005
Select LC-44-05	NA	Little Prickly Pear Creek	Irrigation Headgate	10/13/2005
Select EME-01-08	NA	Little Prickly Pear Creek	Pipeline Crossing	5/8/2008
Select LC-12-2010	NA	Little Prickly Pear Creek	NA	6/10/2010
Select LC-29-04	NA	Little Prickly Pear Creek	Pipeline Crossing	8/12/2004

HISTORY OF THE 310 DATABASE

- THE ORIGINAL 310 DATABASE WAS MAINTAINED BY DNRC PERSONNEL FOR MANY YEARS.
- OFTEN THERE WERE PROBLEMS AND THE IT DEPARTMENT DID IT'S BEST TO KEEP THE OLD PROGRAM UP AND RUNNING.
- SOME DISTRICTS USED THE DATABASE, MANY DID NOT, AND SOME CAME UP WITH THEIR OWN VERSIONS TO SUIT THEIR NEEDS.
- IN 2016 AFTER SOME DISCUSSION ABOUT HAVING AN OUTSIDE COMPANY DESIGN A NEW 310 DATABASE, THE DNRC IT DEPARTMENT DECIDED TO TACKLE THE JOB.

MEETINGS WERE HELD AND SURVEYS TAKEN TO DETERMINE WHAT DISTRICTS WERE HAVING PROBLEMS WITH AND WHAT FUNCTIONS THEY WOULD LIKE AVAILABLE ON THE NEW SITE:

PROBLEMS:

- **SLOW**
- **CLUNKY**
- **LOSING DATA – SYSTEM WOULD LOCK UP AFTER DATA ENTRY BEFORE IT WAS SAVED.**

DATABASE FUNCTIONS

- STORE PROJECT SITE INFORMATION
 - APPLICANT AND/OR LANDOWNER INFORMATION
 - PROJECT CONTRACTOR
 - LOCATION
 - LOAD IMAGES OF PROJECT
 - REPORT FILES
- QUERY BY:
 - PERMIT NUMBER
 - RIVER/STREAM
 - SELECT REPORT TYPE:
 - ALL PERMITS
 - EMERGENCY PERMITS (OPTIONAL)
 - MAINTENANCE PERMITS (OPTIONAL)
 - VIOLATIONS (OPTIONAL)


310 Permit Database

Home About Contact Us

Welcome Guest User!

IAP:

Map Satellite



Google

Map data ©2018 Google Terms of Use Report a map error

Custom Layers:

No Custom Data Layers for this CD.

Permit Search:

Permit Number:

River/Stream Name:

Go To PLSS

Other Reports:

ITE SUMMARY:

River/Stream: Lolo Creek

Orig Constr Date:


Current Owner: NA

NA

Township: 11N Range: 20W Section: 6NE

Bank: Both

Site Photos: (1 photo(s) found) Show/Hide Photos



Irrigation Diversion Site

Photo Date: 10/7/2009

PERMITS:

Record 1

Permit Type: 310

Application Number: MS-35-09

Structure Type: Irrigation Diversion

Decision Date: 10/13/2009

Activity: Partial Replacement

Dimensions: 2 ft.

NEW DATABASE

- GIS BASED
- MORE QUERY OPTIONS
- MULTIPLE BASE LAYER CHOICES
- POSSIBLY ADD ADDITIONAL BASE LAYERS INCLUDING FLOOD PLAIN MAPS, ENDANGERED SPECIES MAPS, AIS, BULL TROUT, ETC.
- ABILITY TO USE REMOTELY WITH WIFI FOR SITE INSPECTIONS
- POTENTIAL FOR GRANT MONEY TO HELP CD'S GET DATA ENTERED
- POTENTIALLY STORE SITE INFORMATION FOR OTHER PROJECT TYPES:
 - STREAM RESTORATION PROJECTS
- OTHER POSSIBLE FUTURE ABILITIES
 - FILL OUT REPORTS AND FORMS FROM ENTERED DATA

THANK YOU AND NOW BRET LIAN WILL GIVE A DEMONSTRATION OF THE NEW 310 DATABASE

